1st and final Bill

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

Serial No. 63901

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1st & final bill					
	Name of work: Construction of RCC drain & Improvements to Road at Grape Garden main Road T. Dasarahalli ward No-15.						
	P-code:- P-3329 Job code:- 015-18-000001						
	Agency:- KRIDL.						
	Estimate cost:- RS 50.00 lakhs.						
	A/A No:- EE/DD/AS/ 670/17-18, Dt:- 26-12-2017						
	TS No:- CE/DZ/TS/ 394/17-18, Dt:- 27-12-2017.						
	W.O :- BBMP/EE/DD/No/183/17-18, Dt:- 10/01/18.						
	Recidued on:- 26/02/18						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item	No:-1 Earth work excavation by manual means in hard soil involv						
	an average horizontal distance upto 2 miles & an average lift upto 0.3						
	excavated surface levelled & sides neatly dressed, the disposed earth						
	to be levelled neatly after breaking of clods, complete as per specifica						
	with all leads & lifts including conveying the excavated earth silt						
	& over burden earth etc this includes the cost of loading & unloadin						
	charges etc. complete as per the direction of Engineer in charge of the work						
	Grape garden main road	1	30.00	1.20	1.00	36.00	cmt
	left side	1	30.00	1.20	1.00	36.00	"
		1	30.00	1.20	1.00	36.00	"
		1	30.00	1.20	1.00	36.00	"
		1	30.00	1.20	1.00	36.00	"

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63902

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	1.20	1.00	36.00 Cmt	
		1	30.00	1.20	1.00	36.00 - "	
		1	30.00	1.20	1.00	36.00 - "	
		1	30.00	1.20	1.00	36.00 - "	
		1	24.00	1.20	1.00	28.80 - "	
	5th Cross.	1	19.60	1.20	1.00	23.52 - "	
		1	15.50	1.20	1.00	18.60 - "	
		1	17.50	1.20	1.00	21.00 - "	
		1	30.00	1.20	1.00	36.00 - "	
		1	15.60	1.20	1.00	18.72 - "	
		1	8.00	1.20	1.00	9.60 - "	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	12.00	1.20	1.00	14.40 cmt	
		1	30.00	1.20	1.00	36.00 -11-	
		1	30.00	1.20	1.00	36.00 -11-	
		1	28.80	1.20	1.00	34.56 -11-	
				Total qty ⇒		601.20 cmt	
			@ Rs 208.82/cmt				125543.00

Item No-2: providing & laying in position plain Cement Concrete of mix 1:4:8 with OPC Cement @ 180 Kgs, with 40 mm & down Size graded granite metal Coarse aggregates @ 0.85 cum & fine aggregate @ Cum machine mixed, Concrete laid in layers not exceeding 15cms thick well Compacted in foundation, including cost of all materials, labou

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63903

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions Length	Dimensions Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Hom of machinery curing Complete as per Specifications.						
	grape garden	1	30.00	1.20	0.15	5.40 cmt	
	left side	1	30.00	1.20	0.15	5.40 - 11 -	
		1	30.00	1.20	0.15	5.40 - 11 -	
		1	30.00	1.20	0.15	5.40 - 11 -	
		1	30.00	1.20	0.15	5.40 - 11 -	
		1	30.00	1.20	0.15	5.40 - 11 -	
		1	30.00	1.20	0.15	5.40 - 11 -	
		1	30.00	1.20	0.15	5.40 - 11 -	
		1	30.00	1.20	0.15	5.40 - 11 -	
		1	24.00	1.20	0.15	4.32 - 11 -	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	19.60	1.20	0.15	3.528	-11-
		1	15.50	1.20	0.15	2.79	-11-
		1	17.50	1.20	0.15	3.15	-11-
		1	30.00	1.20	0.15	5.40	-11-
		1	15.60	1.20	0.15	2.808	-11-
		1	8.00	1.20	0.15	1.44	-11-
		1	12.00	1.20	0.15	2.16	-11-
		1	30.00	1.20	0.15	5.40	-11-
		1	30.00	1.20	0.15	5.40	-11-
		1	28.80	1.20	0.15	5.184	-11-
					Total qty =	90.18 cmt	
		@ Rs 5159.00/cmt					465240.00

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Measurement Book

63904

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
			Length	Breadth			
1	2	3	4	5	6	7	8
	Item No 1-3 Design mix M30 with OPC Cement @ 320 kgs with 20 mm & down size graded granite metal Coarse aggregates @ 0.69 cum & fine aggregates @ 0.46 cum. with Superplastisiser @ 3 lts confirming upto 5m height.						
	grape garden. left Side	1	30.00	0.90	0.15	4.05 cmt	
		1	30.00	0.90	0.15	4.05 "	
	Bottom of Drain	1	30.00	0.90	0.15	4.05 "	
		1	30.00	0.90	0.15	4.05 "	
		1	30.00	0.90	0.15	4.05 "	
		1	30.00	0.90	0.15	4.05 "	
		1	30.00	0.90	0.15	4.05 "	
		1	30.00	0.90	0.15	4.05 "	
		1	30.00	0.90	0.15	4.05 "	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	24.00	0.90	0.15	3.24 —"	
		1	19.60	0.90	0.15	2.646 —"	
		1	15.50	0.90	0.15	2.09 —"	
		1	17.50	0.90	0.15	2.362 —"	
		1	30.00	0.90	0.15	4.05 —"	
		1	15.60	0.90	0.15	2.106 —"	
		1	8.00	0.90	0.15	1.08 —"	
		1	12.00	0.90	0.15	2.025 —"	
		1	30.00	0.90	0.15	4.05 —"	
		1	30.00	0.90	0.15	4.05 —"	
		1	28.80	0.90	0.15	3.888 —"	
						68.01 Cmt	
	Side Walls.	2	30.00	0.15	0.90	8.10 Cmt	
		2	30.00	0.15	0.90	8.10 —"	
		2	30.00	0.15	0.90	8.10 —"	

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63905

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2	30.00	0.15	0.90	8.10	
		2	30.00	0.15	0.90	8.10	
		2	30.00	0.15	0.90	8.10	
		2	30.00	0.15	0.90	8.10	
		2	30.00	0.15	0.90	8.10	
		2	30.00	0.15	0.90	8.10	
		2	24.00	0.15	0.90	6.48	
		2	19.60	0.15	0.90	5.29	
		2	15.50	0.15	0.90	4.18	
		2	17.50	0.15	0.90	4.72	
		2	30.00	0.15	0.90	8.10	
		2	15.60	0.15	0.90	4.21	
		2	8.00	0.15	0.90	2.16	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2	12.00	0.15	0.90	3.24 — " —	
		2	30.00	0.15	0.90	8.10 — " —	
		2	30.00	0.15	0.90	8.10 — " —	
		2	28.80	0.15	0.90	7.77 — " —	
						135.25 cmt	
		Total Qty 68.01 + 135.25 = 203.26 cmt					
		limited to Schedule-B qty = 202.90 cmt					
		@ Rs 6965.26/cmt					1413251.00

Item No-4 :- Supplying, fitting & placing TMT Fe 500 reinforcement in Sub-Structure Complete as per drawing & technical Specifications Complete as per Specifications.

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63906

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Quntity brought this M.B.P.No-63990-63991						
	qty = 12.12 ton						
	@ Rs 66482.14/ton						805763.00
	Item No-5 : Providing & removing centering, shuttering, propping etc, And removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth cills & string courses cost of all materials labour Complete as per Specifications						
	grape garden	4	30.00		0.90	108.00	Sqmt
	left side	4	30.00		0.90	108.00	-u-
		4	30.00		0.90	108.00	-u-

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		4	30.00		0.90	108.00	-11-
		4	30.00		0.90	108.00	-11-
		4	30.00		0.90	108.00	-11-
		4	30.00		0.90	108.00	-11-
		4	30.00		0.90	108.00	-11-
		4	30.00		0.90	108.00	-11-
		4	24.00		0.90	86.40	-11-
		4	19.60		0.90	70.56	-11-
		4	15.50		0.90	55.80	-11-
		4	17.50		0.90	63.00	-11-
		4	30.00		0.90	108.00	-11-
		4	15.60		0.90	56.16	-11-
		4	8.00		0.90	28.80	-11-
		4	12.00		0.90	43.20	-11-

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63907

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions Length	Dimensions Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
		4	30.00		0.90	108.00	
		4	30.00		0.90	108.00	
		4	28.80		0.90	103.68	
			Total qty		⇒	1803.60 Sqmt	
		@ Rs	310.58	Sqmt			560162.00

Item No-6: Supplying & fixing precast reinforced Concrete Slab 10 cm thick of mi
m30 using 20mm & down size graded granite metal using reinforcement 10mm
dia Steel at 150mm c/c both ways cost transportation, hire charges of machin
machine cutting the vertical face to get plain even surface etc.. Complete wo

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	all leads & lift conveyance charges, labour charges inclusive of cost of all materials						
	grape garden left side	1	30.00	0.90		27.00 Sq.mt	
		1	30.00	0.90		27.00 -u-	
		1	30.00	0.90		27.00 -u-	
		1	30.00	0.90		27.00 -u-	
		1	30.00	0.90		27.00 -u-	
		1	30.00	0.90		27.00 -u-	
		1	30.00	0.90		27.00 -u-	
		1	30.00	0.90		27.00 -u-	
		1	30.00	0.90		27.00 -u-	
		1	30.00	0.90		27.00 -u-	
		1	24.00	0.90		21.60 -u-	
		1	19.60	0.90		17.64 -u-	
		1	15.50	0.90		13.95 -u-	
		1	17.50	0.90		15.75 -u-	

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63908

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	0.90		27.00 -11-	
		1	15.60	0.90		14.04 -11-	
		1	8.00	0.90		7.20 -11-	
		1	12.00	0.90		10.80 -11-	
		1	30.00	0.90		27.00 -11-	
		1	30.00	0.90		27.00 -11-	
		1	28.80	0.90		25.92 -11-	
				Total qty		= 450.90 Sqmt	
		@ Rs	1698.00 / Sqmt				765628.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item	No-7 providing & fixing pre cast Solid Cement Concrete Kerb Stones made out of C.C 1:2:4 with top & bottom width 115 & 165 mm respectively, 400mm high finished with C.M 1:3 plastering & finishing Cutting, including formwork, curing Including cost of all materials labour, hire charges of machinery, loading unloading, lead & lift, transportation etc.. complete						
		1	475.00				
			0.45			1055.00 Nos	
		@ Rs	331.78	/Nos			350028.00
Item	No-8 painting two coats after filling the surface with Synthetic enamel paint in approved shades on new plastered Concrete surfaces, with materials, labour complete as per Specifications						

M. A. R. 57 (Rule 116) **No. D** 63909

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	~~Qty was same as Item No-7~~						
	Qty brought from Item No- 7						
		1	1055.00	0.45	0.45	213.64 Sqm	
	Executive Engineer 26/01/18	@ RS	63.60	/ Sqm			13587.00
				Total bill amt			4499203.00
				KRIDL Service Charges	11 %	->	494912=00
						Total Rs	4994,115=00

Executive Engineer 26/02/18

ಕಾರ್ಯನಿರ್ವಾಹಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
~~Item No 3:~~							
	Certificate:						
	This is to certify that the Contractor has completed the work satisfactorily.						
	The contractor has cleared the debris from the work spot						
	There are no departmental issues for the above work.						
	Sudarsan 26/02/18					Contractor 26/02/18	
	ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ ಬೆಂಗಳೂರು						

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63910

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents		Reference to last Measurement
		Number	Length	Breadth	Depth			
1	2	3	4	5	6	7		8
	N	4th Cross	3rd Cross	2nd Cross	1st Cross	Pothole Bunds	Ayyappa temple Road	
	Main Drain Road							
	50 mt RCC Drain							
	5th Cross							

Executive Engineer
26/02/18

Executive Engineer
Bangalore

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63984

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Pre measurements						
	Name of work:- Construction of RCC drain & Improvements to Road at Lalbagh garden main road T- Dasarahalli Ward No-15						
	Agency:- KRIDL						
	Estimate cost:- RS 50.00 lakhs						
	Received on:- 12/01/2018						
	Item No 1-1 Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 metres & an average lift upto 0.300						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	excavalid Surface levelled & Sides neatly dressed the disposal earth to be levelled neatly after making of clods, Complete as per Specificat with all leads & lifts including conveying the excavalid earth Silt, debris Sover burden earth etc this includes the cost of loading & Unloading charges etc, Complete as per the direction of engineer in charge of the work						
	grape garden main road left Side	1	30.00	1.20	1.00	36.00 Cum	
		1	30.00	1.20	1.00	36.00 -11-	
		1	30.00	1.20	1.00	36.00 -11-	
		1	30.00	1.20	1.00	36.00 -11-	
		1	30.00	1.20	1.00	36.00 -11-	
		1	30.00	1.20	1.00	36.00 -11-	
		1	30.00	1.20	1.00	36.00 -11-	

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63985

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions		Depth	Contents	Reference to last Measurement
			Length	Breadth			
1	2	3	4	5	6	7	8
		1	30.00	1.20	1.00	36.00-11	
		1	30.00	1.20	1.00	36.00-11	
		1	24.00	1.20	1.00	28.80-11	
	5th Cross.	1	19.60	1.20	1.00	23.52-11	
		1	15.50	1.20	1.00	18.60-11	
		1	17.50	1.20	1.00	21.00-11	
		1	30.00	1.20	1.00	36.00-11	
		1	15.60	1.20	1.00	18.72-11	
		1	8.00	1.20	1.00	9.60-11	
		1	12.00	1.20	1.00	14.40-11	
		1	30.00	1.20	1.00	36.00-11	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	CVPC	1	30.00	1.20	1.00	36.00 - M	
	Sudarsan 12/01/18	1	28.80	1.20	1.00	34.56 - M	Cumulative 12/01/18
					Total qty →	601.20 cum	
	Item No 2:- providing & laying in position plain Cement Concrete of mix 1:4:8 with OPC cement @ 180 Kgs, with 40mm & down Size graded granite metal coarse aggregate @ 0.85 cum & fine aggregates @ 0.54 cu m machine mixed Concrete laid in layers Not exceeding 15cm thick well compacted in foundation including cost of all material labour Hire of machinery curing complete as per specifications.						
		1	30.00	1.20	0.15	5.40 cum	
		1	30.00	1.20	0.15	5.40 - M	
		1	30.00	1.20	0.15	5.40 - M	
		1	30.00	1.20	0.15	5.40 - M	
		1	30.00	1.20	0.15	5.40 - M	
		1	30.00	1.20	0.15	5.40 - M	
		1	30.00	1.20	0.15	5.40 - M	
		1	30.00	1.20	0.15	5.40 - M	

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63986

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	5th cross. —	1	30.00	1.20	0.15	5.40-11-	
		1	24.00	1.20	0.15	4.32-11-	
		1	19.60	1.20	0.15	3.528-11-	
		1	15.50	1.20	0.15	2.79-11-	
		1	17.50	1.20	0.15	3.15-11-	
		1	30.00	1.20	0.15	5.40-11-	
		1	15.60	1.20	0.15	2.808-11-	
		1	8.00	1.20	0.15	1.44-11-	
		1	12.00	1.20	0.15	2.16-11-	
		1	30.00	1.20	0.15	5.40-11-	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	1.20	0.15	5.40 = 11	
	CC ಕೆ	1	28.80	1.20	0.15	5.184 = 11	
				Total qty =		90.18 Cum =	ಮೊದಲನೆಯ ಬಿಲ್ 16/01/18
	ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ ಬೆಂಗಳೂರು						

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

63990

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Premeasurements						
	Name of work:- Construction of RCC drain & Improvements to road at Grape garden main road T. Basavahalli ward No-15.						
	Agency:- KRIDL						
	Estimate cost:- RS 50.00 lakhs.						
	Recorded on:- 22/1/15						
	Item No-4:- Supplying, fitting & placing TMT bar Fe 500 reinforcement in sub structure as per drawings & technical specifications.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

Complete as per Specifications.

Sl No	dia of bar	Length of rods	No's of rods	Total length	Weight in Kg/mtr	Total Kg
1	main bar 10 mm ϕ	501.00 mtr	27.00	13527.00	0.62	8386.74
2	Distribution bar 8 mm ϕ	2.70 mtr	3550.00	9585.00	0.39	3738.15
						12124.89 Kg
						12.12 ton

Correct by me
22/01/18

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು